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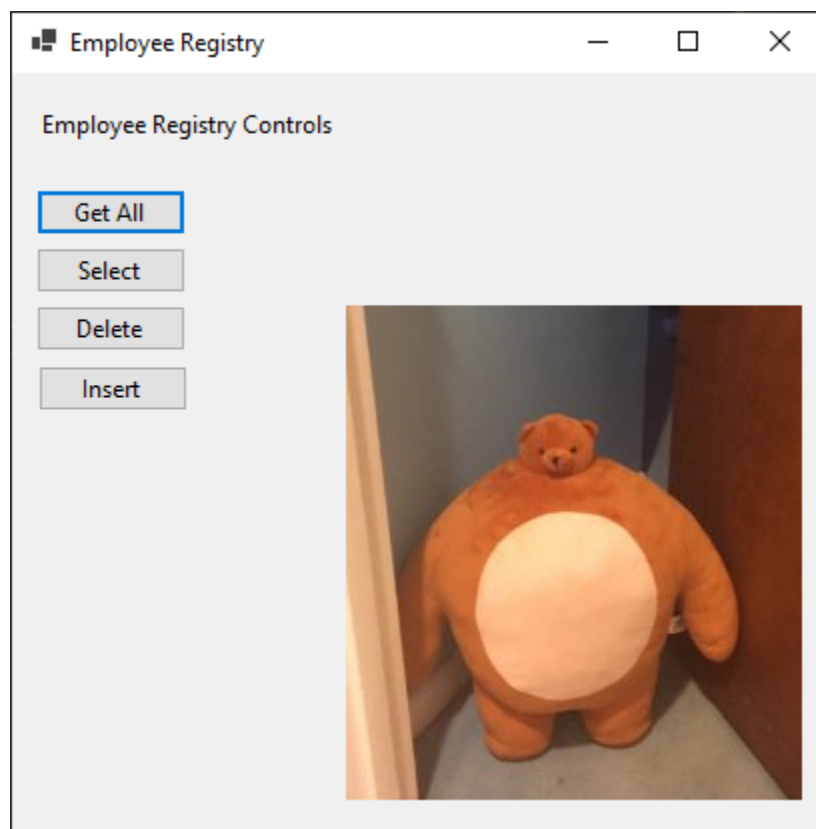
11/27/2021

Professor Zhanyang Zhang

Lab 5 - DLL Business Component based software

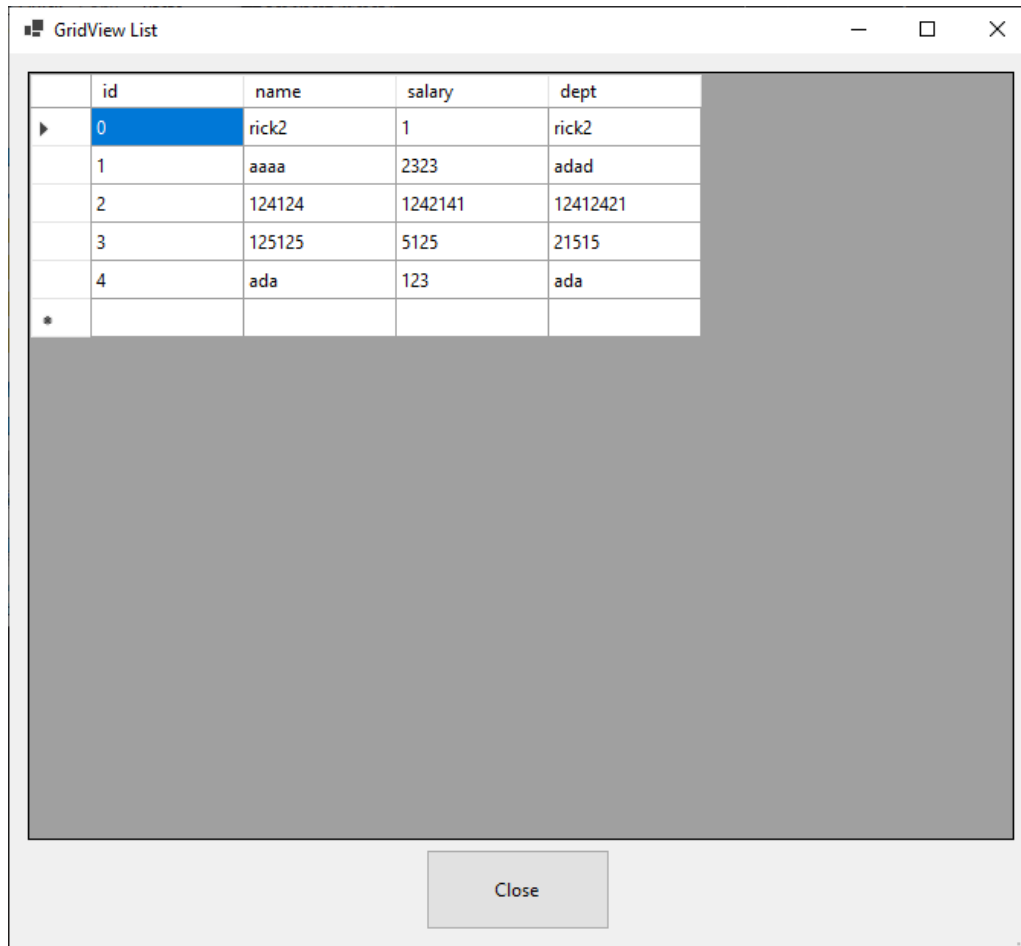
Introduction.

This software was built by first creating a DLL business object that contains a class Employee. The DLL has functions that allow basic CRUD operations on a local database. This is business side software that would allow for a registry of currently employed people and their salary and department information. The DLL Component can be reused and updated dependent on the needs of the company using it.



Landing Page.

This is the initial page the user is greeted with. It contains four buttons that lead to other forms that allow for creating, deleting and retrieving data.



	id	name	salary	dept
▶	0	rick2	1	rick2
	1	aaaa	2323	adad
	2	124124	1242141	12412421
	3	125125	5125	21515
	4	ada	123	ada
*				

Close

### Get All Button Page

The “Get All” button brings the user to this page. It displays all the current data in the Company.Employees table.

The screenshot shows a window titled "Form3" with a standard Windows title bar (minimize, maximize, close buttons). Inside the window, there is a data table with the following structure:

	Name	Salary	Dept
▶	ada	123	ada
	ada	124	ada
*			

Below the table, there is a large gray rectangular area. At the bottom of the window, there is a "Name" label, a text input field containing the value "ada", a "Submit" button, and a "Close" button.

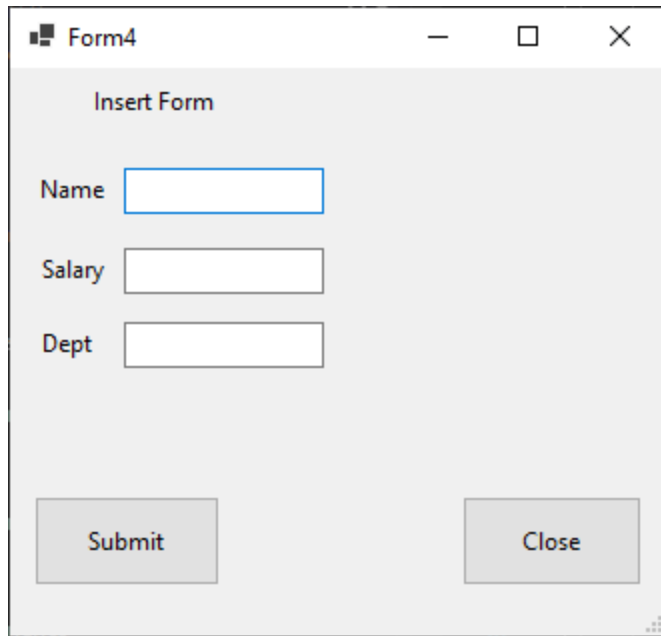
### Select Page

This page is brought to you by the "Select" button on the home page. The text field is input for a query into the database that retrieves all rows where the name equals the input value. This functions similarly to the "Get All" page. Initially the data table isn't populated. Upon pressing the submit button, the data table is populated with the information related to the query.

The screenshot shows a window titled "Form4" with a standard Windows title bar. The main content area is titled "Delete Form". It contains a "Name" label, a text input field, a "Submit" button, and a "Close" button.

### Delete Page.

The delete button on the homepage brings you to the Delete Form. This allows the user to remove entries in the database where the row's name attribute equals the input.



The image shows a standard Windows application window with the title bar 'Form4'. Inside the window, there is a form titled 'Insert Form'. The form consists of three text input fields, each preceded by a label: 'Name', 'Salary', and 'Dept'. Below these fields, there are two buttons: 'Submit' on the left and 'Close' on the right. The window has standard minimize, maximize, and close buttons in the title bar.

#### Insert Form

The insert button on the homepage brings the user to this form which allows the ability to create new entries into the database table. It has three inputs, associated with the columns of the Employees table. They include basic information such as name, salary and department. Based on insert functionality, an edit function can be included. This would only require one extra input, to search for the existing row the user wants to update.